

***Pinus strobus* / *Kalmia latifolia* - (*Vaccinium stamineum*, *Gaylussacia ursina*) Forest**

COMMON NAME Eastern White Pine / Mountain Laurel - (Deerberry, Bear Huckleberry) Forest
SYNONYM Southern Appalachian White Pine Forest
PHYSIOGNOMIC CLASS Forest (I)
PHYSIOGNOMIC SUBCLASS Evergreen forest (I.A)
PHYSIOGNOMIC GROUP Temperate or subpolar needle-leaved evergreen forest (I.A.8)
PHYSIOGNOMIC SUBGROUP Natural/Semi-natural (I.A.8.N)
FORMATION Rounded-crowned temperate or subpolar needle-leaved evergreen forest (I.A.8.N.b)

ALLIANCE *Pinus strobus* Forest Alliance

CLASSIFICATION CONFIDENCE LEVEL 1

USFWS WETLAND SYSTEM Upland

RANGE

Globally

This community occurs in the southern Blue Ridge of Georgia, North Carolina, South Carolina, and Tennessee.

Great Smoky Mountains National Park

This association was not observed or sampled on the Mount Le Conte or Cades Cove quadrangles but is likely in low elevation areas of the Park.

ENVIRONMENTAL DESCRIPTION

Globally

This community occurs at lower elevations (below 3000 feet) in the southern Blue Ridge region of the southern Appalachians on upper slopes and ridgetops protected by higher landforms.

Great Smoky Mountains National Park

No information

MOST ABUNDANT SPECIES

Globally

<u>Stratum</u>	<u>Species</u>
Tree canopy	<i>Pinus strobus</i>
Subcanopy	<i>Oxydendrum arboreum</i> , <i>Acer rubrum</i>
Tall shrub	<i>Kalmia latifolia</i>
Herbaceous	(variable)

Great Smoky Mountains National Park

<u>Stratum</u>	<u>Species</u>
No information	

CHARACTERISTIC SPECIES

Globally

Pinus strobus, *Oxydendrum arboreum*, *Vaccinium stamineum*, *Kalmia latifolia*, *Chimaphila maculata*.

Great Smoky Mountains National Park

No information

VEGETATION DESCRIPTION

Globally

Natural stands of forest vegetation with a canopy dominated by *Pinus strobus*. Other minor canopy species may include *Pinus rigida*, *Quercus coccinea*, and *Acer rubrum*. These forests often have open subcanopies composed of *Oxydendrum arboreum*, *Acer rubrum*, *Nyssa sylvatica*, and *Cornus florida*. The shrub stratum is patchy to continuous and dominated by ericaceous species, typically *Gaylussacia ursina* or *Vaccinium stamineum* and *Kalmia latifolia*. Other common species in the shrub/sapling stratum may include *Gaylussacia baccata*, *Vaccinium pallidum*, *Acer rubrum*, and *Castanea dentata*. Typical herbaceous species include *Galax urceolata*, *Chimaphila maculata*, *Goodyera pubescens*, *Epigaea repens*, *Medeola virginiana*, *Lysimachia*

quadrifolia, *Uvularia puberula*, and *Chamaelirium luteum*.

Great Smoky Mountains National Park

No information

OTHER NOTEWORTHY SPECIES

No information

CONSERVATION RANK G2G3

RANK JUSTIFICATION

This community is geographically restricted and uncommon within its range.

DATABASE CODE CEGl007100

COMMENTS

Globally

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This community may have photosignatures similar to *Pinus strobus* - *Tsuga canadensis* / *Rhododendron maximum* - *Leucothoe fontanesiana* Forest (CEGL007102) but is distinguished by occurring on low ridges and upper slopes. This community is compositionally and ecologically similar to *Pinus strobus* - *Quercus (coccinea, prinus)* / (*Gaylussacia ursina* - *Vaccinium stamineum*) Forest (CEGL007519).

REFERENCES

DeYoung 1979, Govus 1982, Patterson 1994, Schafale and Weakley 1990